

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT



APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER North Alger 27-31C			
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES			
4. TYPE OF WELL Gas Well <input checked="" type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME NORTH ALGER			
6. NAME OF OPERATOR KOCH EXPLORATION COMPANY LLC						7. OPERATOR PHONE 303 325-2562			
8. ADDRESS OF OPERATOR 950 17th Street, Suite 1900, Denver, CO, 80202						9. OPERATOR E-MAIL howard4d@kochind.com			
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU49518			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')			
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')			
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>			

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2118 FSL 1256 FWL	NWSW	27	10.0 S	19.0 E	S
Top of Uppermost Producing Zone	2310 FSL 1650 FWL	NESW	27	10.0 S	19.0 E	S
At Total Depth	2310 FSL 1650 FWL	NESW	27	10.0 S	19.0 E	S

21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 1256		23. NUMBER OF ACRES IN DRILLING UNIT 640	
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 15		26. PROPOSED DEPTH MD: 10327 TVD: 10300	
27. ELEVATION - GROUND LEVEL 5223		28. BOND NUMBER COB000296		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-2231, 43-8496, 49-1645, 49-2375	

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	8.625	0 - 2500	32.0	J-55 LT&C	8.5	Type V	301	3.82	11.0
							Class G	250	1.15	15.8
PROD	7.875	4.5	0 - 10327	11.6	L-80 LT&C	13.0	Premium Lite High Strength	326	1.79	12.0
							Premium Lite High Strength	1943	1.27	13.5

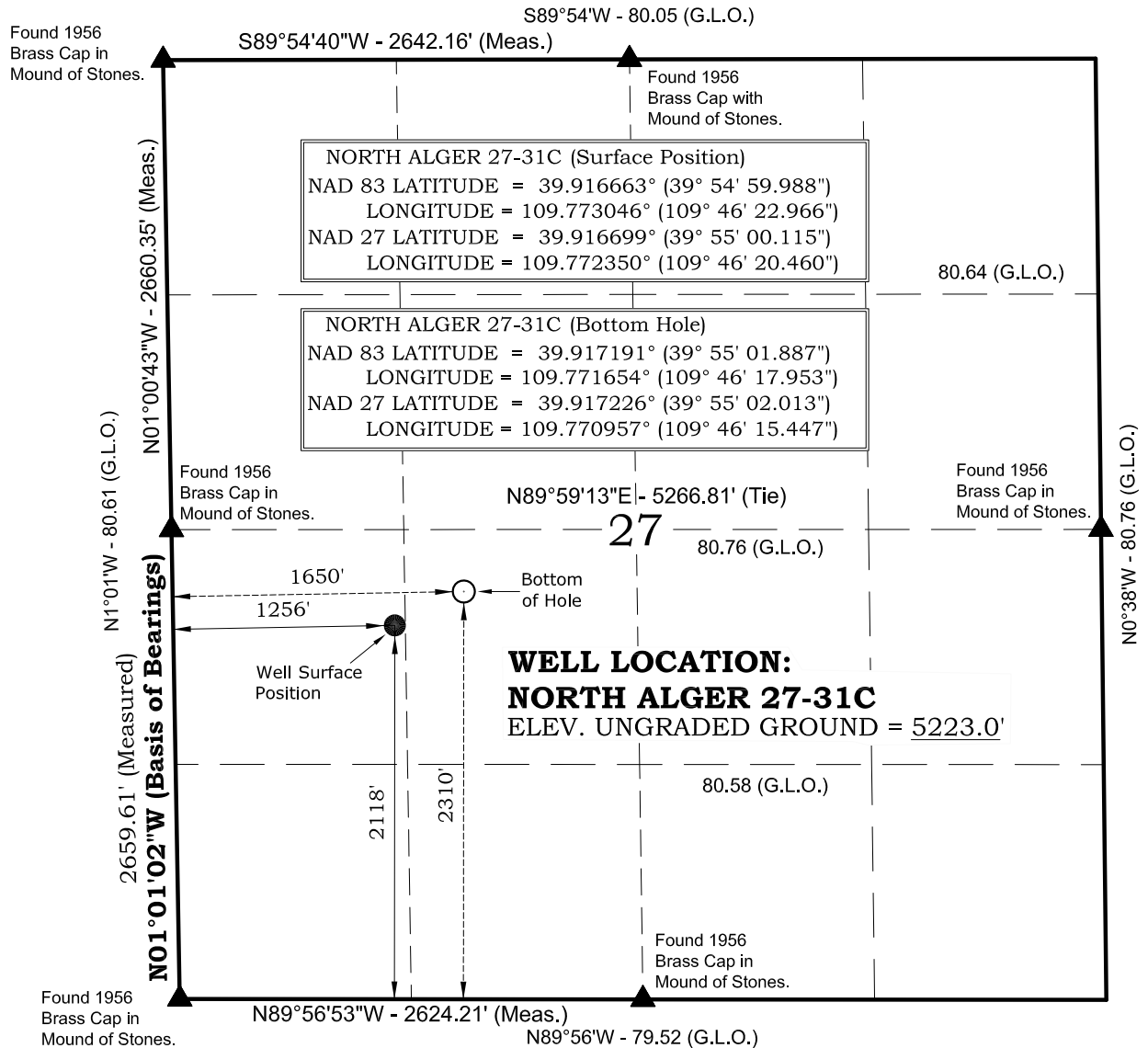
ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Theron Hoedel	TITLE Operations Engineer	PHONE 303 325-2565
SIGNATURE	DATE 02/10/2015	EMAIL theron.hoedel@kochind.com
API NUMBER ASSIGNED 43047552520000	APPROVAL Permit Manager	

T10S, R19E, S.L.B.&M.



NOTES:

▲ = Section Corners Located

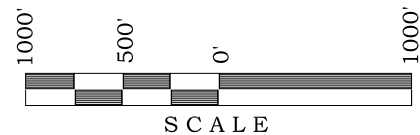
- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
- The Bottom of hole bears N63°49'12"E 435.42' from the Surface Position.
- Basis of elevation is the South 1/4 Corner of Section 27, T10S, R19E, S.L.B.&M. (Being a 1956 Brass Cap). The elevation of this Section Corner was Calculated using an NGS OPUS Solution report to be 5279.5' (NAVD 88).

Koch Exploration Company, LLC
950 17th Street, Suite 1900 - Denver, Colorado 80202

WELL PAD: 27-31

NORTH ALGER 27-31C WELL PLAT

2310' FSL, 1650' FWL (Bottom Hole)
NE ¼ SW ¼ OF SECTION 27, T10S, R19E,
S.L.B.&M., UTAH COUNTY, UTAH.



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John R. Slaugh
PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

TIMBERLINE

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365

DATE SURVEYED: 3-3-14	SURVEYED BY: T.A.	SHEET NO: 2C
DATE DRAWN: 3-10-14	DRAWN BY: J.G.C.	OF 12
SCALE: 1" = 1000'	Date Last Revised:	